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Matlacke Dysentery

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Inaugural Essay

On

Dysentery?

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Dysentery)

The almospheric temperaments mostly calculated to produce severe bowel complaints are those of summer and autumn, when the liver is excited to a larger secretion of perhaps more pungent bile, from the excessive heat of the weathers the shin is exposed to more sudden transitions from free to checked perspiration, and the exhabition that rises so copiously from mars hes and other low grounds, which gives an epidemie character to the atmosphere and lays a foundation for Intermit tent and Remittent fevers, with which this disease is often complicated. There is here sufficient ground for local and general affection, and we may readily see how it is possible from the operation of one of these causes, or all of them in combination on an ini table state of the intestines, for all or any of the local symptoms to be produced which enters into the generic definition of this disease.

The acute form of dysentery is ushed in with considerable fever, which has generally a cold stage or chill anterior to the heat and reaction. In some instances the fever runs high for several hours before there is any local demonstration of dysentery, clearly showing that in such cases, the whole system is first affected, and the bocal disease is determined by the accidental predisposi tion of some particular organ as the intestines, liver, lungs De. Hence the same cause which in one person will induce dysentery may in a second cause hepatitis; in a third enterites, and in a fourth preumonia, according to the previous weakness of this or that viscus. On this acute form of dysenton when the determination is to the bowels, the symp toms generally usher themselves in with prolence and rapidity. The griping is severe, the urgency to stool frequent; the timesmus distressing; all in the course of a short time after the attack.

and which to the head want meeting

Nothing , however, is evacuated by all this straining but mucus tinged or not with blood, according to circumstances, unless the bowels happen to be previously loaded: in which case, there will generally be feculent matter passed with the first two or three motions. After this you will find more or lefs blood from a few streaks in the mucus up to the most alarming quantities. Now the patient has no rest by day or night. after sitting straining awhile on the stool pan. he has seasely left it and returned to his bed, before a rumbling sensation or an acute pain is felt in the abdomen immediate by followed by an irrisistible inclination to stool. with the sensation to evacuate a large quantity: of burning faces, each time that he sits down, and is quite astonished at finding that all his efforts have produced only a wifling quantity of bloody mucus or pure blood. Now the urine is high coloured, scarly, and passed occasionally both with



pour and dyjeculty. The symptoms an ell consum the poor runs high. . If this would form of dy intery he not chucked before the expiration; fine or see there well be qual danger of some desorganization of the intestines or chies utidominal wiscus, jein the effects of inflammation. This structural durange ments are auseries, recornien, or merbicairen, y the glandeter organs in the abaconen . The user is the derringed in jumber from the influence of wimale anderes to the acception of assentire. Mortification may be susheded unen the cation! after great is in and jever whiches nimery sudden 'u retrieved und hours as me seen necres white condinume at the same time sends the new and becomes week moulder or interville this und , on head ... cound not od I chammed,

sweats. Alconthon is sometimes a



from of the tensor and then to valent sometimes and heatentering the hyperian may subside out to took or describe processes continue in a chrome from g great severity, which solders admit of any south them admits more procurable than the last, is chrone dynaling without alteration of the intestinate, but with morning arranged functions of the entestinate outcome in general, and of the entestions in perticular.

Cheene Appertup is mostly a security of the and goom hough it is said by authors in the authors in the security that it makes the appearance openior walk and any ment a security of the decease the steer are more occurs that has seen in the acute but they are accombanic with mucus, or they are paging in a winner selection, and not property the security heading faces.



The storts are poped with some griping pain Istiched by a degree of tenesmus or inclination to sit on the steel pon After this the patient has never y an immunity from name tell the peried if the next encerous. In such cases however the unked. thy aspect of countenance in the patient is indicative y vestion distruction. Although the of relite may we willy rood, the transion will be found in herfee' winced by a some of oppossion at the stomach gler mies we in the clots, undiger led portions of feed will be visitie. The functional derangement of the liver may be recognized by the colour of the stocks which possible a reficiency of late. Ander these circumsternes the whent well decrease more or up according to the degree of the desinese. Then deciration or other organic ranges nave to him lace in the intestines, or when the structure of the view has suffered during the continuance of the disease. then the foun griping



and tinesmus well be much worse, the patient will emaciate. the excrements from the intestines contain admixtures of blood or even puy. These are mest deplorable ouses and very five ever recover perfectly. The occasional or exciting causes of dysenting are all such as are capable of suddenly suppressing the culaneous transpiration especially after it has been in except. Us sudden chills on the surface acting in conjunction with the predisposing cause of un almost phone varing rapidly from hot to cold and moust to dry: on this account the disease is most frequent in the autumnal mouths after a hot summer, and occasionally epidemic of seasons. But by what means this excelling cause sperales upon the large industines to "wedness the symptoms of dysentery rather than these of diarrhad & cholera has not yet been clearly explained However, the event may be observed daily that cold suddenly applied to the surface is possepector a resolvent power, and throws the action



from the surface on parious internal organs, and especially on cavities of mucous membrane, which in consequence of this excitement becomes inflamed, and pours forth an additional secretion. such also is the case in theumatism and catarrh. Dathology of Dysentery This has been a fruitful source of difsculion among medical writers, and the reason, I think, is that they have con founded causes with consequences; or they have set down the effect of the disease, as the proxi male cause. Thus the appearance in the intestins on dissection, of those who have died of dysentery home led them to concend that influenmation of the mucous memorane of the intestinal luce was the original link of the disease . Sol the but path togical our, I think makes the comome. land inflammation rather an effect of the forward excitement, then the original cause of Aysentery. It is in Systerday as in fever



inflammation is not the original cause; but undoubledly it is the principal effect which is to be dreaded. As I'm johnson on tropical de males; confedently afserts that two junctions appears to a describer from the beginning. These are the purspiration and liting secretion Let a dysentere patient is examened (says hi) and if these two functions be found in a natural stale at any period of the desense, unless ... the year of medicine or when the symple toms are giving way, then I am much mustaken. Sartial sweets are sometimes seen on the Surface and conscenally admis lun of will in the stocks; and these are transity and morbid otherwise the regular herspiration is suppressed and the healthy secretion of hite is stopped. These are the two yeast tenns of that morbid Change which connects the remote cause with the discuse, and if this chain we severed by



an early restoration of these two functions it will be checked. The next link is the distur bance in the balance of the excelability and circulation. a torper appears to seize the secre long ressels of the liver from sympathy with those of the skin; in consequence of which a venous plethord takes place throughout the whole portal circle and the mucous membrane of the intestines becomes the seat of initation and rascular turgescence. The perspiration being now suppressed a vicarious discharge of mucus and serum is thrown from the extrem ities of the turged ressels of the mesentery and intestines, and the symptoms of dysentery are developed of the yelethora be great wood isself will be poured from these vejsels hence inflam mation, and ulceration may ensue. If there be hardened faces in the cells of the colon they will is grasped by the irritable circular files of the



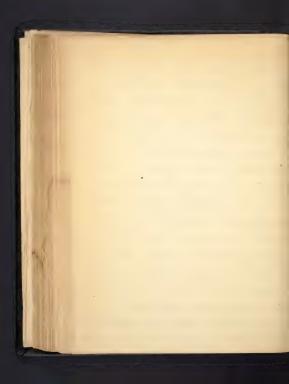
intestine which will augment the tormina and griping in the bowels. In this situation, Wature makes attempts to restore by reaction, the balance of the circulation, and excitability, together with the healthy state of the functions of the shin and liver , but the is lift successful in this disease than in most others. Where she gains her end, it is where the local plethra is reduced by evacuations V and where there is not much organic derangement in the bowels. But in a majority of cases, where the disease is violent, the natural exertions of The constitution either huslin the fatal catastrophi or produce such region of structure and function in the chylopoetic viscera as induces a tedeoug chronic state of the complaint. The yebrile symp toms have always appeared to me to be at first in proportion to the general disturbance in the balance of the circulation; but afterwards they may be hept up by the extent of the organic



derangement sustained by the riscera during the general feversh. State of the system. The discharge of blood by stools, appears to be proportinal to the local congestion in the portal und medenterie circles: Hence we nad of dysentery in tropical climates, where the testiary organs are deranged either in function or structure; and dysentery is frequently accompanied with real discharges of blood from the lovely in consequence of the chick the circulation muls in the liver, Frealment of Dysentery! In this as in every other disease, various theories have sed to various modes of practice: Thus these who set down inflammation as the proximate couse of dysentery, consider blood setting as the grand indication of cure followed by sudorifies. las alives De. This practice well generally be successful in common cases. And those who with Sydenkan and Mosely



consider it a fever turned in on the bowels, from suppressed perspiration have recourse to sudorifies to hum it out again, and truly where they can effect this, and heep up a general diaphoreses, the determination is taken from the bowels, and recovery follows A third, or especially those in hot climates, finding that a mircurial phyalism, very often produced, or at least was followed by a cepation of the dysenteric symptoms, became impressed with an opinion that mercury had either some Specific power over this disease, or that it being connected with a desargement of the liver, in consequence, the mereury produced a beneficial effect. Thus, If one of these methods, is set down as a principal of practice to the exclusion of the others, it will be attended with inconvenience and uncertainty. But I do maintain that it is only by a judicious combination of there. That



The disease is so be effectually resisted and overcome I also believe that neither in this nor in any other disease, can a precise treatment be laid down? since in one case, one set of symptoms will predominate and in a second another set. each requising a corresponding medification of budment. The great object is to point out the leading indication at this I shall make a fable effort. The first indication is to take of the evident determination of blood to the intestinal canal . logether with the unnatural irritation which exists there. And this is done frincipally, by the restoration of those functions which observation shows to be deranged in dysenby particularly the junctions of the skin and lever. To effect this your pose a street watch on the operations of Nature and the ravages of the disease, is of the highest importance test serious injury be done by either in the mean tome. Thus the symptomatic fever



in dysenting, says & Johnson, is a sanative effort of the constitution, to overcome some morbid unpost. sion, to restore some impeded function, or to relive some labouring organ. But her efforts are sometimes too weak, and at others too victent. In assisting, or restraining her, lies the whole suc cep of the medical attendant. The Jonneeple then is the restoration of the equilibrium of the circulation with the healthy functions of perspiration and biliary secretion. To effect these desirable purposes the following, combination is an admit ralle remedy Jake of calonel one grain, Specacuan one grain, ofwern half a grain. and my for a dose; this well fulfil the above indications: meseury to act on the secretions of the liver's Specacuan on the shin and opium to alloy the unto willy of the intestena canal. But besides the local symptoms of hunging, groping, and ancomes, there is high fever or lunge discharges of blood from the sowers



or just pain in some part of the at doming or all these combined; then the first grand orged is to quard against the danger of inflamation and disorganization. by general & local Good litting, proportioned to the urgency of the case; with some lations and Histors to the abdomen's The following is a very good some dake of soap cinement one ounce and a half, lincluse of opium half an ounce, or of rosemary one draw and apply them by flannels rung out of the mixture. And give mollient obsters composed of starch, or millon broth and landa num. These if they can be retained will , sooth the tenesmus. By these means you will lifsen the general excitement, and the local inflammation Hell continuing the internal use of the former combination, every three hours, ordering the patient to keep warm and tranquir, to resest the propen sily to sloot as much as possible. Flannelisto be put on next the shin and especial



by the flaunch roller round the aldomen, first pointed out, and so highly inculcated by how fessor Chapman in bowel complaints; it gives a very comfortable support, and warmth to the vecera within. The lightest hossile dut should we used, such as vice great, sage, laproca panada ve. 'very wenty four hours after the first exhibit a darative, especially a dose of castor oil, or neutral sally, or what is still better in low cases of dysentery, is the oil of butter of operates as a laxative, and at the same time affords now is h ment to the system. These will carry off the scybala undthe morbid secutions of the liver, and mucous membrane of the intestinal canal. The daily use of the eagative should not inter cept the exhibition of the former senedy, since it is considered only as auxiliary, though most praditioners begin with mild pury alwas as the prelimary slep ; followed by anodynes at



bedtime. But this is a very tediois . Trainful, and unsuccessful plan of practice. I have myself bun a witness to the beneficial effects of the above come bination of calonel specacuan and opium. yet the disease will not always , gailed to it; and where it does not, entirely succeed, I have seen the turpen time julax and opiates at night complete the cure. The julap that was used, was made inthe -following maner. Jake of turpentine one rance. castor oil one ounce, quin arabic, and sugar each half an ounce, tandamen thirty drops, water four ounces. mix, and give a table spoonfel every three hours. In the expiration of three or your days, in the majority, of cases you will perceive a mitigation of the symptoms, from the calonel opium and specacuan alone, shough this may not be very conspicuous, till the mout becomes affected, when this takes place you will find a revolution in the phenonena of the disease.



The shin will ful soft and moist, the tormina and tenesmus will be abated, the stools will appear faculent, impregnated with natural locking bile. less mixed with mucus and broad, more easily papered, and having more the common facal small you will now have very little to do except quarding your patient against cold, and imprudence in diet; the whole of the dysentirie symptoms will vanish, and the patient will have a speedy convalireence. Dysentery is a disease perhapes more steady and uniform in its character than almost any other, yet it is sometimes so modi fied by climate, ideorynerasy and ranous other circumstances, that it will require all the light which experience has shed on it. Thus in mendividual the inflammatory symptom well so far predomenate, that bleeding must be carried to a great extent, and indeed in such cases every other consideration must for a lime



give way, and all our efforts must be to guard the intestines from disorganization, by general and local depletion, blistering &c. It was from the benefit of general bleeding in such cases that Do somers, an army physician drew the bold conclusion that dysentry, was to be cured . almost entirely by bluding from the arm to syncope. Blampield in a recent work on dysenting requards it as little more than inflammation of the bowels, producing stricture in different portions of the canal and relies principally on venesection and purgar tives for a cure. And indeed when connected with an inflammatory diathisis, our chief reliance must be placed on renesection, general and local; blisting, and the antiplogistic plan in full. In those cases where this fails the prospect of succes is very narrow. We have to encounter prostration of string the define sion of spirits, with a lops of appetite and



some segree of thirst followed by a sense of Julness tension and tenderness upon pressure on the abdome the desire to evacuate becomes urgent, stools less copions and consisting of blood and muces , resembling the washings of buf, a suppression of unine, and painful tenesmus takes place, with an incefsant craving for liquids, especially cold water. The shin is now either parching hot, or covered with a profuse perspiration The pulse is less affected than might be expected, but sometimes it is full with a peculiar thrilling sensation under the fingers. This is always a dangerous symptom in the advanced stage of this disease. The lapitude is converted into the ulmost degree of anxiety and apprehension of death, the patient appearing highly reluctant to part with his medical attendunts though fully sensible of the unasoding efforts of medicine. The discharges by stool which are Juquent by involentary, and accompained by the most intoler. able feter, mixed occasionally with shoedsof mem -

latter and landened when prop is on the 20 comme to be from and as million coming for have assessed and proper the star is one other with reterior to have with marked by our wormloand by the wind while

brane, and quantities of pewelful matter. There is also a protrusion of gut forming a proceidentia ani, when the symptons assume this degree of aggravation death some closes the scene on dissection, the large intestines are found inflamed, there is an accumulation of brough and serum in the abdomen, and ashesions between the convolutions of the small intestines, though they are sometimes sound, at others exhibiting slight inflamma tory patches adhering to the omentum. The colon exhibits traces of the principal ravages of the disease, from a slight external blush, to a deep lived how the caliber of this gut is sometimes much deminished by the thicken ing of its coats. The liver is sometimes apparently sound at others preternalusally small and indusated, or enlarged & scirrhous. The gall bladder is often much distended with bile which is generally reteated in appearance The splun, pancreas, and hidneys are sometimes flacist and enlarged: In some cases they have been found gaugeenous the other viscera of the abdomen are generally sound.

Doch Chapman